



Transportation and Land Use Technical Work Group Teleconference Meeting #1

August 31, 2005



Today's Agenda

- Call to order
- Introduction of Technical Work Group members
- Review of Technical Work Group organization and logistics
- Review of Open Meeting Law Requirements
- Review and discussion of the draft Arizona greenhouse gas emissions inventory and forecast for Transportation and Land Use (excluding black carbon)
- Review and discussion of list of potential state actions
- Discussion of next steps toward identification of priorities for analysis of options
- Call to the public
- Proposed agenda items for next meeting
- Announcements

Agenda Items 1-4

- Call to order
- Introduction of Technical Work Group members
- Review of Technical Work Group organization and logistics
- Review of Open Meeting Law Requirements

Members, TLU TWG

- David Berry – Swift Transportation**
- Diane Brown – Arizona Public Interest Research Group
- Beverly Chenausky – Arizona Department of Transportation
- Becky Daggett – Governor's Growing Smarter Council
- Rob Elliott – Arizona Raft Adventures**
- Kirsten Engel – University of Arizona Law School**
- Gina Grey – Western States Petroleum Association
- Richard Hubbard – Arizona State Land Department
- Bob Kard – Maricopa County Environmental Services, Air Quality Division
- Ursula Kramer – Pima County Department of Environmental Quality**
- Mike Leyva – Arizona Office of Tourism
- Willis Martin – Pulte Homes**
- George Seitts – Gordon C. James Public Relations**
- Karen O'Regan – City of Phoenix**
- Bill Pfeifer – American Lung Association of Arizona**
- Luther Propst – Sonoran Institute
- Bob Ramirez – Salt River Pima-Maricopa Indian Community**
- Duane Yantorno – Arizona Department of Weights and Measures

** Member of Climate Change Advisory Group (CCAG)

Agenda Item 5

- Review and discussion of the draft Arizona greenhouse gas emissions inventory and forecast for our sector (excluding black carbon)

Arizona GHG Emissions

- Inventory and Reference Case Projections
 - Initial analysis by CCS for further discussion and revision
 - Inventory of historical emissions from 1990 to most recent data year (2000-2004, depending on sector)
 - Projection of emissions to 2020

Coverage

- Six gases per USEPA and UNFCCC guidelines
 - Carbon Dioxide (CO₂), Methane (CH₄), Nitrous Oxide (N₂O), Hydrofluorocarbons (HFCs), Perfluorocarbons (PFCs), Sulfur Hexafluoride (SF₆)
 - Black Carbon considered separately
- All major emitting sectors
 - Electricity
 - Residential, Commercial, Industrial Fuel Use
 - Transportation
 - Agriculture and Forestry
 - Industrial Processes and Other Sources

Inventory Approach

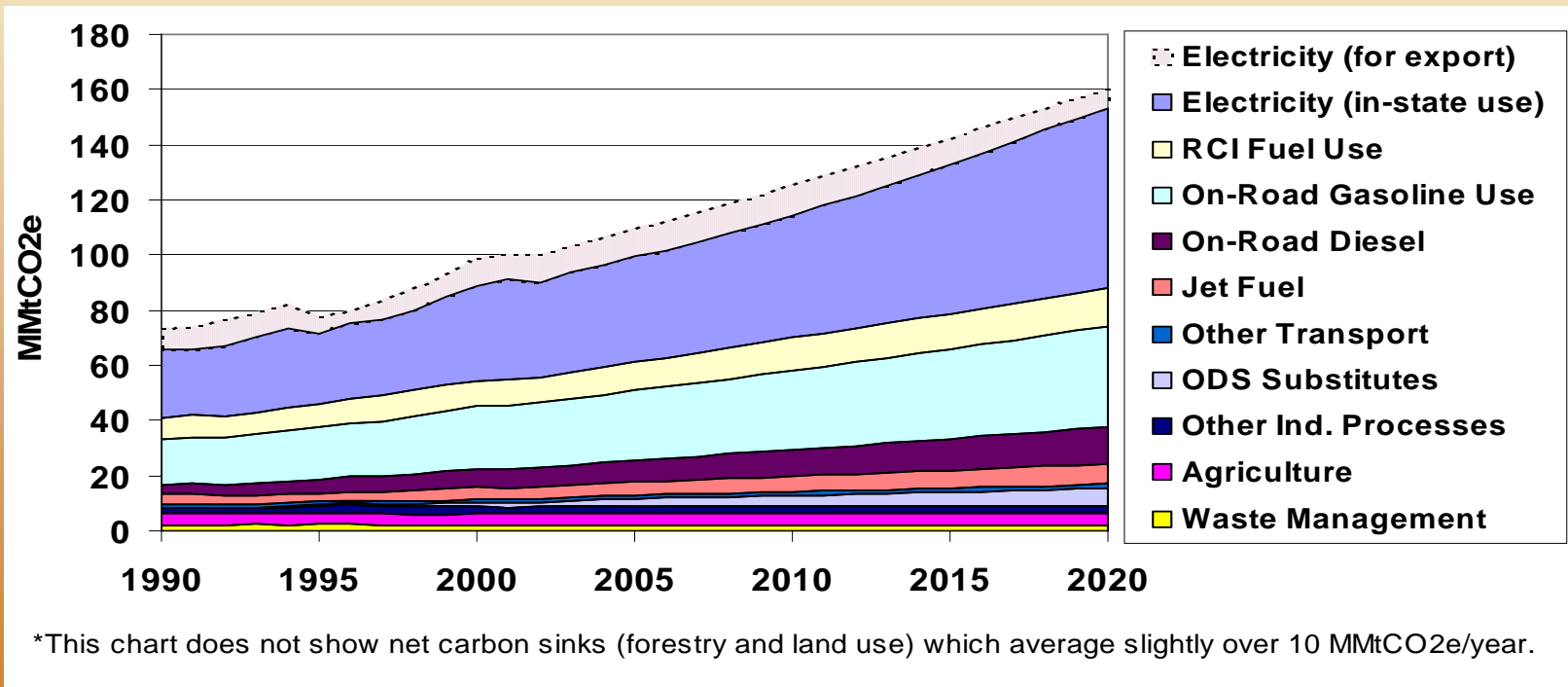
- Standard US EPA and UN methodologies, guidelines, and tools
- Emphasis on transparency, consistency, and significance
- Preference for Arizona or regional data, where available
- Consumption and production-basis emissions from electricity generation
 - Very simplified approach used for initial analysis

Projection Approach

- Reference case assumes no major changes from business-as-usual
 - Includes approved policies and actions to the extent possible (e.g. Environmental Portfolio Standard)
- Growth assumptions from existing sources
 - Electricity demand growth from AZ Corporation Commission
 - Population and economic forecasts from AZ Department of Economic Security
 - Several assumptions from US DOE's Annual Energy Outlook 2005

Arizona GHG Emissions

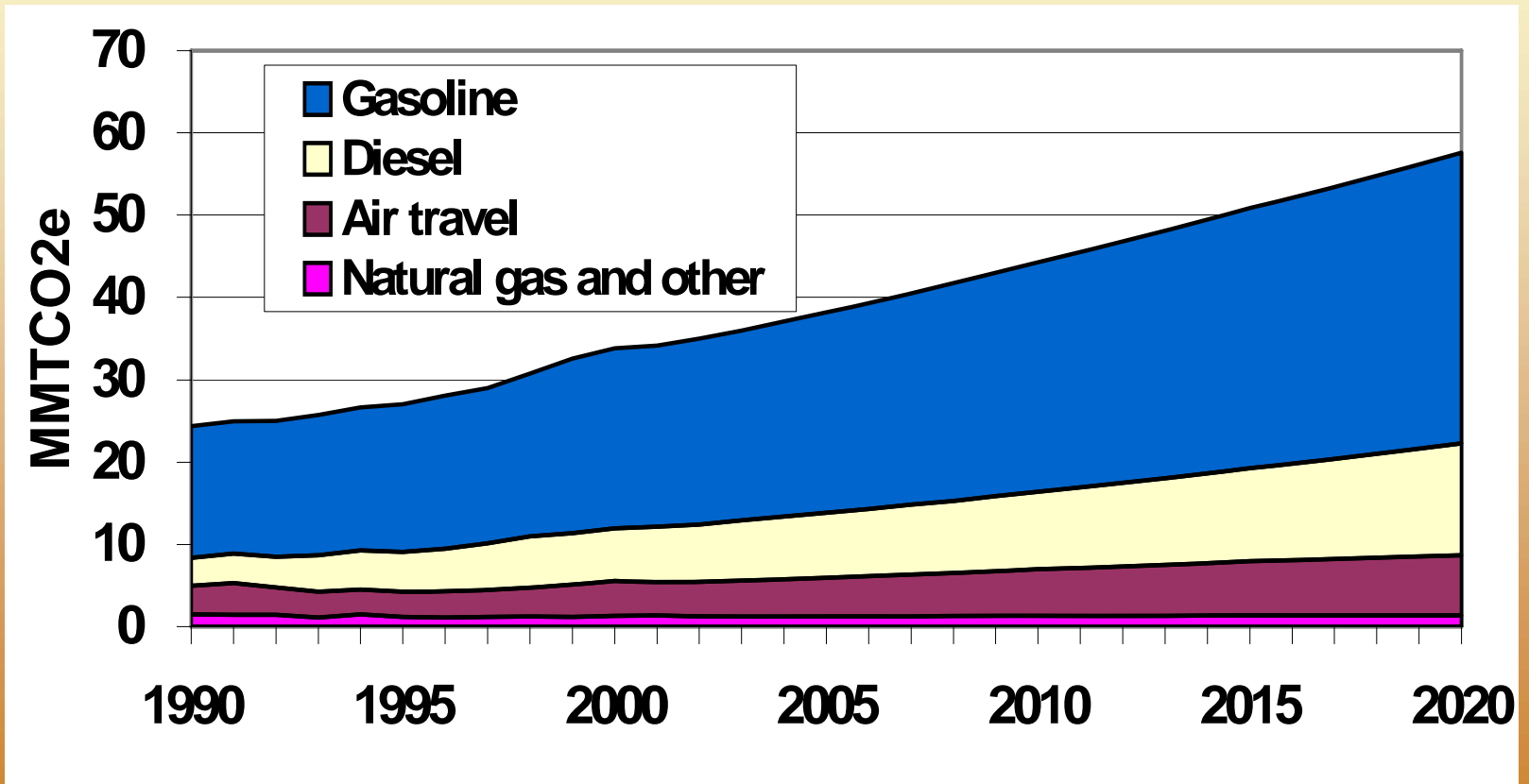
- 1990-2020



Work group issues

- Transportation and Land Use
 - Examination of VMT projections
 - Assumptions for changes in fuel economy

Transportation



Transportation

- Data Sources
 - AZ DOT fuel consumption data for diesel and gasoline
 - Tellus calculation for ethanol based on information from Maricopa and Pima AG
 - EIA SEDS for natural gas and other fuels
 - AZ DOT MoveAZ report
- Methods
 - Use existing state and federal fuel estimates with GHG conversions

Transportation

- Key Assumptions and Uncertainties
 - Freight and passenger travel (VMT) projections
 - Currently based on AZ DOT's MoveAZ report
 - Projected changes in vehicle fuel economy
 - Currently assumes no change
 - MoveAZ projects significant deterioration, while USDOE Annual Energy Outlook expects slight improvement

Decision criteria

- GHG reduction potential
- Cost effectiveness
- Co-benefits and ancillary impacts
- Feasibility issues

Transportation and Land Use

Major Categories of Options in Matrix

- Passenger Vehicle GHG Emission Rates
- Land Use and Location Efficiency
- Increasing Low GHG Travel Options
- Freight

Agenda Item 7

- Discussion of next steps toward identification of priorities for analysis of options

Agenda Item 8

- Call to the public

Agenda Item 9

- Proposed agenda items for next meeting
 - Continued development of priorities for analysis?
 - Continued discussion of inventory and reference case?

Agenda Item 10

- Announcements